

Page 1 of 1

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO29149	6		M174B0.250X4.000	f	7/20/2015	7/24/2015	12.0000	\$17.55	0.0000	0	\$210.60
USD	No		17-4 SS Bar .250 X 4.00	f	12.0000	DCUSER		\$210.60	0.0000	0	
			m132834								
Total Received Quantity:										12.0000	
Total Qty to Inspect (PO U/M):										0.0000	
Total Reject Quantity:										0.0000	
Total Receipt Value:										\$210.60	
Total Balance Due Quantity:										0.0000	

B I L L O F L A D I N G

No: PEC 945327

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 20Jul15 at 13:58 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-825831- 1 Your PO # 29149

STAINLESS STEEL FLAT BAR 17-4

.250 X 4.0 X 144.0000"

Heat Number
256149

Tag No
633238

Quantity
12 FT

PCS
1

Wt LBS
44

TOTAL: Tags 1 PCS 1 LBS 44

Heat Number *** Chemical Analysis ***
256149

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL OF 1 BDL GR.W. 60 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

Spis of 25

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Emilie Becker

15/07/23

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

15/07/23 14:00:00 TBS/GST-TV/HST # 140223934 RT0001

SHIP FROM:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

SHIP TO: (1)
DART AEROSPACE

B I L L O F L A D I N G

No: PEC 945327
Ship Date 20Jul15 at 13:58 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

B I L L O F L A D I N G

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

ALUMINUM - L'ALUMIUM - LAiton - CUIVRE - FLASTIQUE - ACIER INOX
MINIMUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

54-223317

Date: 5/7/2014 To: THYSSENKRUPP MATERIALS NA INC SO#: A616128 Lnt#: 1 PO#: 5400223317 Part: T-M8300.254 Heat#: 256149 Tag: V3595701A

Acciaierie Valbruna S.p.A.

QUALITY MANAGEMENT SYSTEM
CERTIFIED BY LLOYD'S REGISTER

CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1

35100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clients / Baseller/Purchaser/CBent
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Manufacturer

Avviso di Spedizione: D-VI13017478
Lieferungs-/Packungsl.B.L.

Ordine nr: 35957 P524642-423 EMJ
Bestell-/Your order/Commande

Certificato nr: MEST360454/2013/
Prüfung/Test/Exam

Conferma ordine nr: E113004712
Werk-/Our Order/Ref. nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark,
Sigle de l'usine productrice



Punzone del Collaudatore:
Stempel des Werkssachverständigen
Inspector's stamp/Stamp of the Inspector



Stato di fornitura: Hot rolled Descaled COND. A Hot rolled
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD
Erzeugnisbezeichnung/Heating process/Mode d'elaboration

Specifiche:
Anforderungen / Requirements / Exigences

VSL FLAT 2 630 A
AMS 5843 R S17400 A
ASTM A564 2010 S17400 A

AISI 630
ASME SA564 2010 S17400 A (0)
ASTM F899 2012 630

AMS 2303 F.
ASTM A370 2012A.

(0) SEC. II PT. A 2010 EDITION ADD. 2011a

Qualità: T-630 #511673
Werkstoff/Grade/Numéro

Marcia: V174
Markenbezeichnung
Brand/Numéro

Tolleranza: ASTM A484-11
Toleranz/Allowance/Tolerance

Punzonatura: 630
Kennzeichnung/Marking/Markage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Description du produit	Dimensioni - in Abmessungen Dimension Dimension	Lunghezza - in Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0010	Flat	4,0000 x 0,2500	144 / 153	256149		1.715	201905370

TEST ALLO STATO DI FORNITURA										
Test on delivery condition Prüfung auf Lieferbarem Produkt test à l'état de fourniture Prueba sobre el material así como entregado										
TEST	Provetta/Probestab Specimen/Eprobestab Long. diam. Dia. Diam. Dia. Dia. Width Diam. Dia. Long. diam. Dia. mm	°F	Posiz. Saggio Position Lage Position	Snervamento Bruchgrenze Yield Stress Limite élastique	Snervamento Bruchgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction	Allungamento Bruchdehnung Elongation Allongement	Strizione Einschnürung Reduction of area Dilution	Resilienza Kerbschlagarbeit Impact Value Résilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max		-	-	-	-	-	-	368
A	20X6,3	68	L							346

TEST		min	max	
A	Delta Ferrite		5,0	1,0 %
A	Grain size for ASTM E112			5
A	RATINGS FREQUENCY		1,10	0
A	RATINGS SEVERITY		1,05	0

Sample cond. H900											
Tipo Trattamento Wärmebehandlung Heat Treatment Traitement Technique	Temperatura Temperatur Temperature	Raffreddamento Abkühlung Cooler Refroidissement	Permanenza Haltezeit Permanence Machzeit	Tipo Trattamento Wärmebehandlung Heat Treatment Traitement Technique	Temperatura Temperatur Temperature	Raffreddamento Abkühlung Cooler Refroidissement	Permanenza Haltezeit Permanence Machzeit	Tipo Trattamento Wärmebehandlung Heat Treatment Traitement Technique	Temperatura Temperatur Temperature	Raffreddamento Abkühlung Cooler Refroidissement	Permanenza Haltezeit Permanence Machzeit
Aging	900 °F	AIR	50 "								
TEST	Provetta/Probestab Specimen/Eprobestab Long. diam. Dia. Diam. Dia. Dia. Width Diam. Dia. Long. diam. Dia. mm	°F	Posiz. Saggio Position Lage Position	Snervamento Bruchgrenze Yield Stress Limite élastique Rp 0.2% k.s.L.	Snervamento Bruchgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction Rm k.s.L.	Allungamento Bruchdehnung Elongation Allongement E ad %	Strizione Einschnürung Reduction of area Dilution %	RA %	Resilienza Kerbschlagarbeit Impact Value Résilience	Durezza Härte Hardness Dureté HB
	Valori richiesti 1 Anforderungen/Required values Valeurs demandées	min max		170 186	-	190 202	- 10	- 16	40 54	-	388 444
	B	12,5	68	L	186		202	16	54		431

Mechanical properties according to ASTM A370.
Delta Ferrite according to AMS 2315.

1) L=Longitudinale/Long, T=Transversale/quer, Q=Tangenziale/tangentiel

Vicenza, 11/06/13 VCS008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkssachverständiger / Works Inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
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From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403983805

CstAr

CstOr 268591

Wgt.: 44 LB

Date 07/15/2015

John L. Zambetti

Acciaierie Valbruna S.p.A.



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY LLOYD'S REGISTER

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2004) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Bestell-/Purchaser/Clien
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/leem/Usine productrice

Stato di fornitura: Hot rolled Descaled COND. A Hot rolled
Lieferzustand/Delivery state/Etat de livraison

Awviso di Spedizione: D-VH13017478
Lieferanweisung/Packing list/B.L.

Ordine nr: 35957 P524642-423 EMJ
Bestell-/Your order/Commande

Tipo di Elaborazione: E+AOD
Erzeugnisart/Manufacturing process/Mode d'elaboration

Certificato nr: MEST380454/2013/
Prüfung/Inspection

Conferma ordine nr: EI13004712
Works/Our Order/Ref. nr.

Marchio di Fabbrica:
Zeichen des Lieferanten/
Trade mark
Siglo de F. usine productrice

Punzone del Collaudatore:
Stempel des Werkssachverständigen/
Inspector's stamp/Pointon de l'essayeur



Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Heat Schmelze / Cauté	min - max 0,070	1,00	1,00	15,00 17,00	0,50	3,00 5,00	3,00 5,00	-	0,040	0,030	0,050	-	-	-	-
C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %	Ta %				
256149	0,034	0,33	0,70	15,27	0,30	3,28	4,66	0,059	0,027	0,001	0,034	0,0009			

Colata / Heat Schmelze / Cauté	min 0,150 max 0,350	5°C 0,350	-	-	-	-
Nb%+Ta%	0,291	0,290				
256149						

Material solution annealed 1904F for 1 h,
air cooled to below 90F.

Micro and macro etch test: satisfactory.

Produced without class I-II Ozone depleting substances.

Material is DFARS Compliant

DAS
14
9-89

15/07/28

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind lt. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été livré conforme aux exigences

Controllo antimiscelanza: OK
Verwechslungsprüfung: spezialanalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antimélangage fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks: satisfactory
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s., 4.3 by TÜV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 11/06/13

VCC008
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständiger / Works Inspector / L' agent d' usine

M. Rizzotto

Pagina - 2 di 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403983805

CstAr

CstOr 268591

Wgt.: 44 LB

Date 07/15/2015

John L. Zambetti

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4
DATE: 15/07/28

PO / BATCH NO.: 29/49/M132834

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 12' 9" (153")
QUANTITY INSPECTED: 12' 9" (153")
QUANTITY REJECTED: _____

THICKNESS ORDERED: .250 X 4.00
THICKNESS RECEIVED: .250 X 4.00
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
<p>INSPECTED BY: <u>DAS 14</u></p> <p>DATE: <u>15/07/28</u></p>	<p>SIGNED OFF BY: _____</p> <p>DATE: _____</p>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO29149**

Purchase Order Date 7/15/2015 2:40:24 PM

PO Print Date 7/15/2015

Page Number 1 of 3

Order From :
THYSSENKRUPP MATERIALS CA LTD
Q/A VPK METAL
C/O T27540
PO BOX 4275 POSTAL A
TORONTO, ON M5W 5V8
CANADA

VC-COP001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905-669-9444

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Linda Lacelle
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB DDP - (Delivered Duty Paid)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304S16GA	304/316 Sheet .063	7/20/2015 Yes 7/20/2015		64.00 ✓ sf	\$5.00	\$320.00
PURCHASE MATERIAL: AISI 304/316 SS SHEET ANNEALED - SPECIFICATION: MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) ORASTMA240 OR ASME SA240							
Line Total:							\$320.00
2	M304S24GA	304/316 .025 Sheet	7/20/2015 Yes 7/20/2015		32.00 ✓ sf	\$2.84	\$90.75
as above							
Line Total:							\$90.75

Note:

7/15/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO29149**

Purchase Order Date 7/15/2015 2:40:24 PM

PO Print Date 7/15/2015

Page Number 2 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
Q/A VPK METAL
C/O T27540
PO BOX 4275 POSTAL A
TORONTO, ON M5W 5V8
CANADA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905-669-9444

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Linda Lacelle

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB DDP - (Delivered Duty Paid)

3	M304S18GA	304/316 .050 Sheet	7/20/2015 Yes 7/20/2015	64.00 sf	✓	\$4.00	\$256.00
as above							

Line Total: \$256.00

4	M6061T6B1.500X04.000	6061T6 Bar 1.500 x 4.00	7/20/2015 Yes 7/20/2015	12.00 f	✓	\$17.50	\$210.00
---	----------------------	-------------------------	-------------------------------	------------	---	---------	----------

PURCHASE MATERIAL:
6061-T6/T6511/T6510/T6511/T62 ALUMINUM BAR
SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

Line Total: \$210.00

5	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	7/20/2015 Yes 7/20/2015	12.00 f	✓	\$7.50	\$90.00
as above							

Line Total: \$90.00

SP15-07-21

Note:

7/15/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO29149

Purchase Order Date 7/15/2015 2:40:24 PM

PO Print Date 7/15/2015

Page Number 3 of 3

Order From :
THYSSENKRUPP MATERIALS CA LTD
Q/A VPK METAL
C/O T27540
PO BOX 4275 POSTAL A
TORONTO, ON M5W 5V8
CANADA

VC-COP001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905-669-9444

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Linda Lacelle
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB DDP - (Delivered Duty Paid)

6 M174B0.250X4.000 17-4 SS Bar .250 X 4.00 7/20/2015
Yes
7/20/2015

12.00 f ✓ \$17.55 \$210.60

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

SPS-07-24

Line Total: \$210.60

PO Total: \$1,177.35

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 7/15/2015